FIG. 1

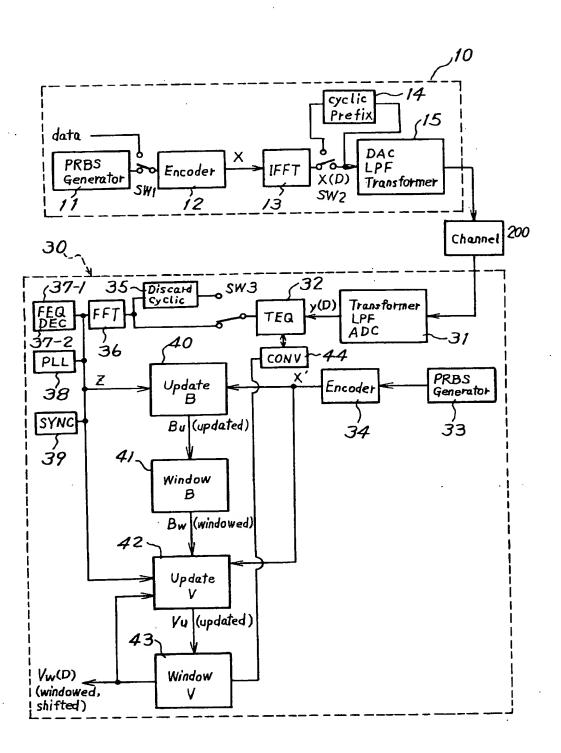


FIG. 2A

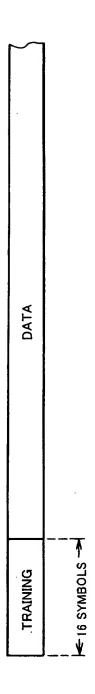
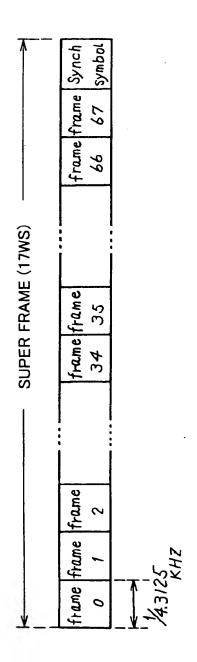
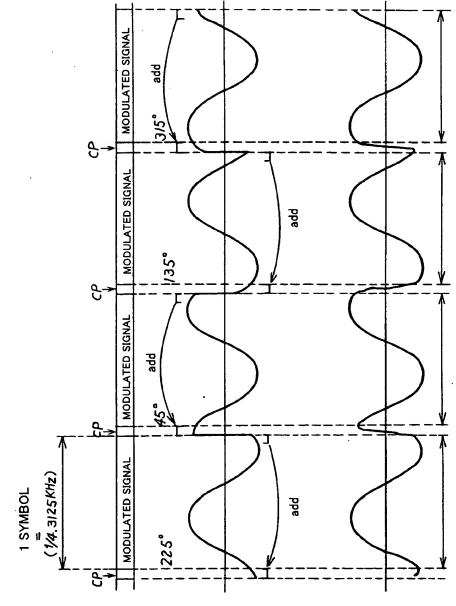


FIG. 2B





د.,

SINE WAVE OF PHASE 225° SINE WAVE OF PHASE 45° SINE WAVE OF PHASE 135° SINE WAVE OF PHASE 315°

→ ← 256 sample→ 16 sample

FIG. 4A

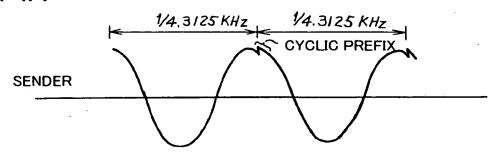


FIG. 4B

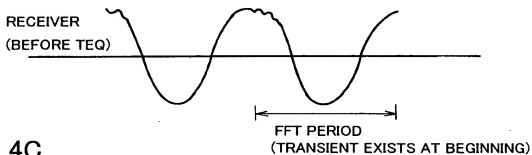


FIG. 4C

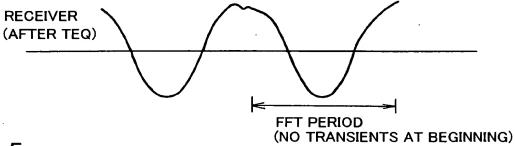


FIG. 5

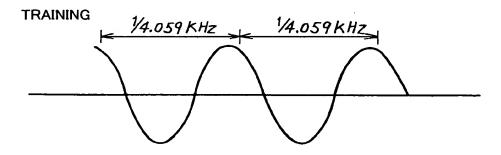


FIG. 6

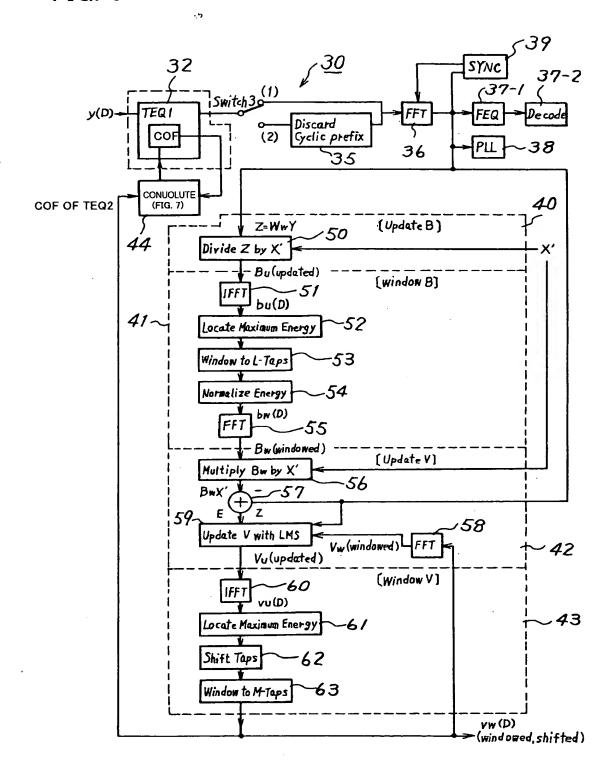


FIG. 7

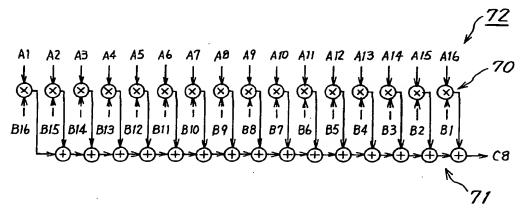


FIG. 8

```
C1 = A1×B9 +A2×B8 +A3×B7 +A4×B6 +A5×B5 +A6×B4 +A7×B3 +A8×B2
         +A9×B1
C2 = A1 \times B10 + A2 \times B9 + A3 \times B8 + A4 \times B7 + A5 \times B6 + A6 \times B5 + A7 \times B4 + A8 \times B3
        +A9 ×B2 +A10×B1
         A1 ×B11+A2×B10 +A3×B9 +A4×B8 +A5×B7 +A6×B6 +A7×B5 +A8×B4
        +A9×B3 +A10×B2 +A11×B1
          AI ×BI2+AZ×BII +A3×BIO +A4×B9 +A5×B8 +A6×B7 +A7×B6 +A8×B5
        +A9×B4 +A10×B3 +A11 ×B2 +A12×B1
         A1 × B13+A2 × B12 +A3 × B11 +A4 × B10 +A5 × B9 +A6 × B8 +A7 × B7 +A8 × B6
        +A9×B5 +A10×B4 +A11 ×B3 +A12×B2 +A13×B1
C6 = A1 × B14 + A2 × B13 + A3 × B12 + A4 × B11 + A5 × B10 + A6 × B9 + A7 × B8 + A8 × B7 + A9 × B6 + A10 × B5 + A11 × B4 + A12 × B3 + A13 × B2 + A14 × B1
C7 = AI \times BI5 + A2 \times BI4 + A3 \times BI3 + A4 \times BI2 + A5 \times BI1 + A6 \times BI0 + A7 \times B9 + A8 \times B8
        +A9 ×B7 +A10 ×B6 +A11 ×B5 +A12 ×B4 +A13 ×B3 +A14 ×B2 +A15 ×B1

A1 ×B16 +A2 ×B15 +A3 ×B14 +A4 ×B13 +A5 ×B12 +A6 ×B11 +A7 ×B10 +A8 ×B9

+A9 ×B8 +A10 ×B7 +A11 ×B6 +A12 ×B5 +A13 ×B4 +A4 ×B3 +A15 ×B2 +A16 ×B1
C9 = A2 \times B16 + A3 \times B15 + A4 \times B14 + A5 \times B13 + A6 \times B12 + A7 \times B11 + A8 \times B10 + A9 \times B9
+A10 \times B8 + A11 \times B7 + A12 \times B6 + A13 \times B5 + A14 \times B4 + A15 \times B3 + A16 \times B2
C10 = A3 \times B16 + A4 \times B15 + A5 \times B14 + A6 \times B13 + A7 \times B12 + A8 \times B11 + A9 \times B10 + A10 \times B9
        +A11 ×B8+A12×B7 +A13×B6 +A14×B5 +A15×B4 +A16×B3
C11 = A4 \times B16 + A5 \times B15 + A6 \times B14 + A7 \times B13 + A8 \times B12 + A9 \times B11 + A10 \times B10 + A11 \times B9 + A12 \times B8 + A13 \times B7 + A14 \times B6 + A15 \times B5 + A16 \times B4
C12 = A5 \times B16 + A6 \times B15 + A7 \times B14 + A8 \times B13 + A9 \times B12 + A10 \times B11 + A11 \times B10 + A12 \times B9
        +A13×B8+A14×B7 +A15×B6 +A16×B5
C13= A6×B16+A7×B15 +A8×B14 +A9×B13 +A10×B12+A11×B11+A12×B10+A13×B9 +A14×B8+A15×B7 +A16×B6
Cl4= A7×B16+A8×B15 +A9×B14 +A10×B13+A11×B12+A12×B11+A13×B10+A14×B9
        +A15×B8+A16×B7
          AB×BI6+A9×BI5+AI0×BI4+AI1×BI3+AI2×BI2+AI3×BI1+AI4×BI0+AI5×B9
        +A16 ×B8
C16= A9×B16+A10×B15+A11×B14+A12×B13+A13×B12+A14×B11+A15×B10+A16×B9
```

FIG. 9

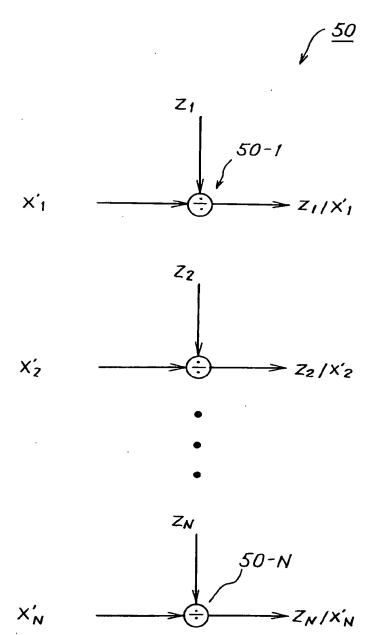
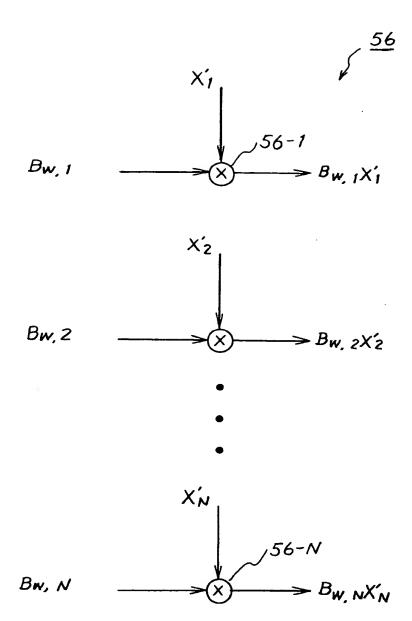


FIG. 10



PRIOR ART

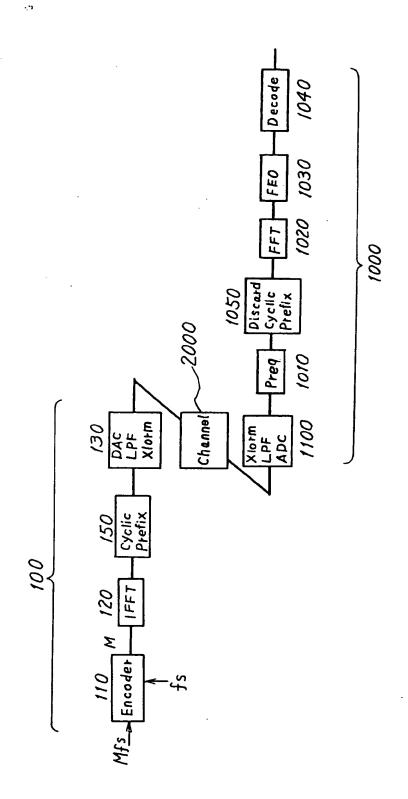


FIG. 12

PRIOR ART

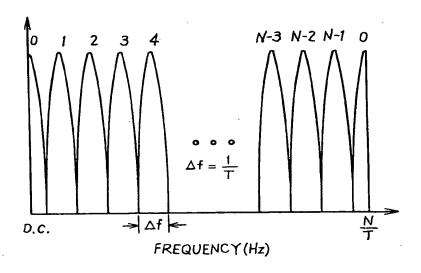
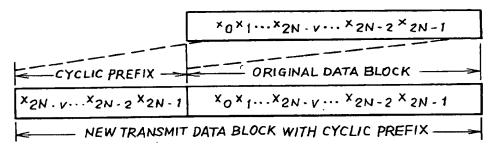


FIG. 13

PRIOR ART





PRIOR ART

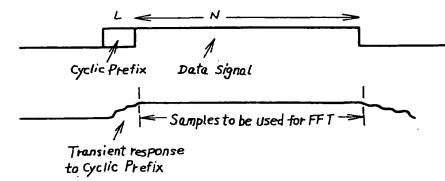


FIG. 15

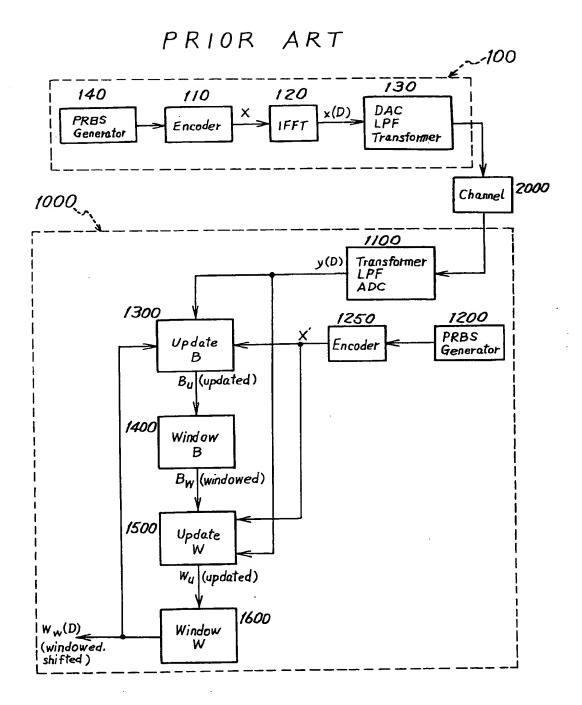


FIG. 16

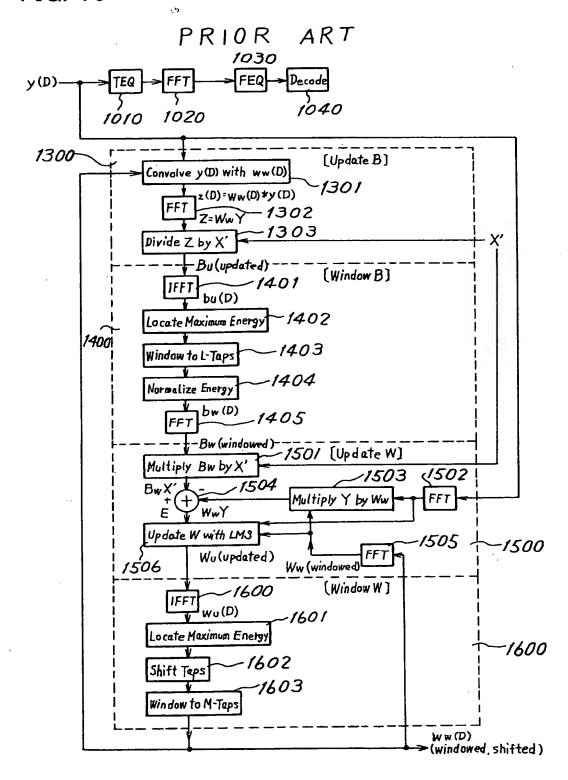


FIG. 17



